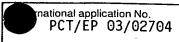
(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.			
P_16465WO				
International application No.	international liling date (day/month/year)	(Earliest) Priority Date (day/month/year)		
PCT/EP 03/02704	14/03/2003	27/03/2002		
Applicant				
LIGHTMAZE AG				
This International Search Report has be according to Article 18. A copy is being t	en prepared by this International Searching Aut ransmitted to the International Bureau.	hority and is transmitted to the applicant		
This International Search Report consist X It is also accompanied b	s of a total of sheets. by a copy of each prior art document cited in this	s report.		
1. Basis of the report				
 With regard to the language, the language in which it was filed, un 	e international search was carried out on the ba nless otherwise indicated under this item.	sis of the international application in the		
the international search Authority (Rule 23.1(b)).	was carried out on the basis of a translation of t	the international application furnished to this		
was carried out on the basis of the contained in the internated	nd/or amino acid sequence disclosed in the in the sequence listing: ional application in written form. ternational application in computer readable for	nternational application, the international search m.		
furnished subsequently to this Authority in written form.				
	furnished subsequently to this Authority in computer readble form.			
the statement that the statement application	ubsequently furnished written sequence listing o as filed has been furnished.	does not go beyond the disclosure in the		
the statement that the in furnished	formation recorded in computer readable form i	is identical to the written sequence listing has been		
2 Contain plains were to	and appearabable (See Reall)			
 Certain claims were fo X Unity of invention is la 	und unsearchable (See Box I).			
5. A Chiny of invention is ta	cking (see box ii).			
4. With regard to the title,				
the text is approved as s	submitted by the applicant.			
X the text has been establ	ished by this Authority to read as follows:			
SUPERVISORY CHANNEL I	N AN OPTICAL NETWORK SYSTEM			
E With regard to the sheet				
 With regard to the abstract, the text is approved as s 	submitted by the applicant.			
the text has been establ	ished, according to Rule 38.2(b), by this Author ne date of mailing of this international search re	rity as it appears in Box III. The applicant may, port, submit comments to this Authority.		
	blished with the abstract is Figure No.	1		
X as suggested by the app	· ·	None of the figures.		
because the applicant fa				
because this figure bette	er characterizes the invention.			





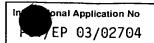
Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)			
This Inte	This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:			
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)			
This Inte	rnational Searching Authority found multiple inventions in this international application, as follows:			
	see additional sheet			
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.			
2.	. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.			
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:			
4. X	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: $1-5$, $9-25$			
Remark	on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.			

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5, 9-25

2. claims: 1,6-8



A. CLASSIFICATION OF SUBJECT MATTER I PC 7 H04L12/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) I PC $\frac{7}{100}$ H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

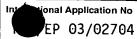
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ALBANESE A ET AL: "A network and services integrated management system prototype" COMPEURO '91. ADVANCED COMPUTER TECHNOLOGY, RELIABLE SYSTEMS AND APPLICATIONS. 5TH ANNUAL EUROPEAN COMPUTER CONFERENCE. PROCEEDINGS. BOLOGNA, ITALY 13-16 MAY 1991, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 13 May 1991 (1991-05-13), pages 68-73, XPO10022920 ISBN: 0-8186-2141-9	1-3,5, 11-15, 18,20-22
	page 69, right-hand column, paragraph 5 - page 73, right-hand column, paragraph 2/	16,17,25

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.		
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search 24 June 2003	Date of mailing of the international search report 1.9. 09. 2003		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Alonso Martin, M.E.		

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C/Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	EP 03/02/04			
Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.					
22.290.7		relevant to Gain No.			
X Y	EP 1 152 631 A (NORTEL NETWORKS LTD) 7 November 2001 (2001-11-07) paragraph [0001]	1,2,4, 10-14 15			
Α	paragraphs [0014] - [0016]	16,22			
	paragraphs [0021] - [0045]				
X .	SLOBODANKA TOMIC: "MANAGEMENT INFORMATION MODEL FOR OPTICAL WDM NETWORKS" INTEROPERABLE COMMUNICATIONS NETWORK, BALTZER SCIENCE PUBLISHERS, BUSSUM,, NL, vol. 2, no. 1, 1999, pages 147-160, XP001011288 ISSN: 1385-9501 page 150, paragraph 2.2	1,9-14			
	page 150, paragraph 2.4 page 151, paragraph 2.5 page 151, paragraph 3 page 157, paragraph 3.4.1 page 158, paragraph 3.4.3				
Υ	US 2001 033550 A1 (CHEUNG NIM KWAN ET AL) 25 October 2001 (2001-10-25) abstract	15			
Υ	VETTER B ET AL: "An experimental study of insider attacks for OSPF routing protocol" PROCEEDINGS., 1997 INTERNATIONAL CONFERENCE ON NETWORK PROTOCOLS, 1997. ATLANTA, GA, USA 28-31 OCT. 1997, LOS ALAMITOS, CA, USA,IEEE COMPUT. SOC, US, 28 October 1997 (1997-10-28), pages 293-300, XP010258711 ISBN: 0-8186-8061-X	16,17,25			
А	page 294, right-hand column, paragraph 3 - page 295, left-hand column, paragraph 2	5,18,19, 23,24			
A	SUMMERFIELD M A: "Wavelength division multiplexing for local area networks" LASERS AND ELECTRO-OPTICS, 1999. CLEO/PACIFIC RIM '99. THE PACIFIC RIM CONFERENCE ON SEOUL, SOUTH KOREA 30 AUG3 SEPT. 1999, PISCATAWAY, NJ, USA, IEEE, US, 30 August 1999 (1999-08-30), pages 1215-1216, XP010364322 ISBN: 0-7803-5661-6 page 1215, paragraph 5	13			
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mation on patent family members

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EP	03/02704	

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1152631	Α	07-11-2001	CA EP JP	2343576 A1 1152631 A2 2002026990 A	04-11-2001 07-11-2001 25-01-2002
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